Current Claims Schedule

1. (Currently Amended) An electric device with a two-wire interface, said two-wire interface serving to deliver electric power to the electric device and to transmit a signal, with the maximum power consumption of the electric device during normal operation being restricted to a predefined upper limit, wherein the permissible power consumption of the electric device is automatically and temporarily increased beyond said predefined upper limit when the electric device is switched into a special operational function mode whereby more electric power is available to the electric device while in the special function mode.

2. (Currently Amended) The electric device as in claim 1, wherein an operation selected from the group consisting of a software update, ~~and/or~~ a calibration process ~~and/or,~~ a diagnostic function ~~and/or~~and a maintenance function ~~is/are~~and is considered to constitute a special operational function.

3. (Original) The electric device as in claim 1 or 2, wherein the two-wire interface consists of an analog power input connection with a normal current range from 4 to 20 mA and in the special operational function mode of the electric device, the maximum permissible power consumption is increased to 22 mA.

4. (Original) The electric device as in claim 1 or 2, wherein the two-wire interface is a digital bus connector and in the special operational function mode of the electric device, the maximum permissible power consumption is raised to a value that corresponds to the FDE value of the measuring device.

5. (Original) The electric device as in claim 4, wherein the digital bus connector serves to transmit the signal even while in the special operational function mode of the electric device.

6. (Original) A method for operating an electric device that incorporates a two-wire interface which two-wire interface serves to feed electric power to the electric device while also transmitting a signal, with the maximum power drawn by the electric device via the two-wire interface during normal operation being restricted to a predefined upper limit, wherein as the electric device is switched into a special operational function mode, the permissible maximum power consumption of the electric device is automatically and temporarily increased beyond the predefined upper limit.

7. (Currently Amended) The method as in claim 6, wherein an operation selected from the group consisting of a software update, ~~and/or~~ a calibration process, ~~and/or~~ a diagnostic function and ~~and/or~~ a maintenance function~~is/are~~ is considered to constitute a special operational function.

8. (Original) The method as in claim 6 or 7, wherein the two-wire interface consists of an analog power input connection with a normal current range from 4 to 20 mA and in the special operational function mode of the electric device, the maximum permissible power consumption is increased to 22 mA.

9. (Original) The method as in claim 6 or 7, wherein the two-wire interface is a digital bus connector and in the special operational function mode of the electric device, the maximum permissible power consumption is raised to a value that corresponds to the FDE value of the measuring device.

10. (Original) The method as in claim 9, wherein the digital bus connector serves to transmit the signal even while in the special operational function mode of the electric device.